

SAFETY DATA SHEET

TRADE NAME: R-922

CHEMICAL FAMILY/NAME: Multifunctional Epoxy-Impregnated
Carbon Fiber

PRODUCT TYPE: Resin-Impregnated Fiber

DM 3 2197 9/2/83

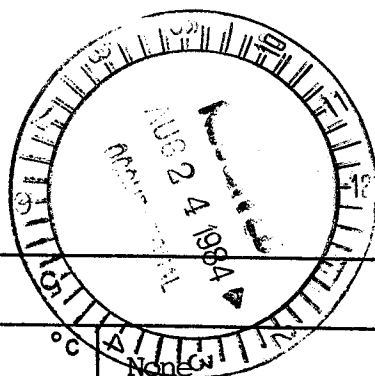
The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind expressed or implied is made with respect to the information contained herein.

I. HAZARDOUS INGREDIENTS

%

TIME WEIGHTED AVERAGE:

None



II. PHYSICAL DATA

BOILING POINT (°C)	N/A	SOLUBILITY IN WATER	None
MELTING POINT (°C)	N/A	SPECIFIC GRAVITY (H ₂ O = 1)	1.2
VAPOR DENSITY (AIR = 1)	N/A	PERCENT VOLATILE BY VOLUME (%)	< 1
VAPOR PRESSURE (mm Hg) 20 °C	<0.1	EVAPORATION RATE (=1)	N/A
pH	N/A	DECOMPOSITION TEMPERATURE (°C)	
APPEARANCE AND ODOR	Black prepreg, no odor.		

III. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT °F (Method Used) Closed cup	> 200°C	FLAMMABLE LIMITS IN AIR	LEL UEL
DOT CLASS	Not regulated	DOT No.	
EXTINGUISHING MEDIA	Water spray, foam, CO ₂ or dry chemical.		
SPECIAL FIRE FIGHTING PROCEDURES	Use self-contained breathing apparatus.		
UNUSUAL FIRE AND EXPLOSION HAZARDS	Decomposition and combustion products may be toxic.		

IV. REACTIVITY DATA

STABILITY	UNSTABLE		CONDITIONS TO AVOID
	STABLE	X	Temperature over 300°F.
INCOMPATIBILITY (Materials to Avoid) Acids, bases, and oxidizing agents			
HAZARDOUS DECOMPOSITION PRODUCTS Oxides of carbon and nitrogen, other unknown compounds of nitrogen.			
HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID
	WILL NOT OCCUR	X	Negligible risk. Excess heat (over 300°F).

TRADE NAME:

V. HEALTH HAZARD DATA

TIME WEIGHTED AVERAGE	
ORAL: LD ₅₀	Ca 5400 Mg/Kg,
DERMAL: LD ₅₀	
SKIN IRRITATION:	(minimal)
EYE IRRITATION:	
SENSITIZATION:	
INHALATION: LC ₅₀	
EFFECTS OF OVEREXPOSURE	
Prolonged or repeated skin contact may cause irritation/sensitization and dermatitis.	
EMERGENCY & FIRST AID PROCEDURES:	
INHALATION :	Operators affected by inhalation of vapors should be taken into fresh air and made to rest while medical attention is called.
INGESTION :	Immediately rinse mouth with water. If swallowing has occurred, drink plenty of water. Seek medical attention promptly.
SKIN :	Wash with soap and water. Any material adhering to skin should be removed with resin-removing creams. DO NOT USE SOLVENTS!
EYES :	Flush eyes with water for 15 minutes. Get medical attention.
OTHER	

VI. SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED	N/A
WASTE DISPOSAL METHOD	Dispose in accordance to federal, state, and local regulations. Landfill, Do Not Incinerate.
RCRA STATUS	Not a hazardous waste under RCRA (40CFR 261)

VII. SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION	During machining, where necessary to protect against dusts.
PROTECTIVE GLOVES	Use of white cotton gloves is recommended.
OTHER PROTECTIVE EQUIPMENT	Skin barrier creams and clothing protection of exposed skin areas recommended during machining.
EYE PROTECTION	Should be worn during machining to protect eyes from dust.
VENTILATION:	Curing of prepreg materials and subsequent machining of parts should be carried out in areas with good ventilation.

VIII. SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING, SHIPPING, AND STORING	<p>Handling techniques must ensure that no uncured epoxy material comes in contact with eyes or skin. Operators should wear gloves and full-length clothing.</p> <p>Work area should be well ventilated.</p> <p>Eating, drinking, and smoking in work area must be prohibited.</p> <p>Cleanliness and tidiness are of utmost importance.</p> <p>Store materials in cool dry place.</p> <p>Store away from food and food containers.</p>
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DATE: 9-28-83

ISSUED BY:

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